

We claim:

1. An information processing apparatus having a mouse cursor display function, comprising:

a display unit for displaying data on a bit mapped display screen;

a pointing device for designating a coordinate location on said display screen, and for directing scrolling and setting a scrolling speed for data displayed on said display screen;

mouse cursor control means for displaying a mouse cursor at a coordinate location on said display screen designated by said pointing device;

scroll control means for scrolling the data on said display screen in accordance with a display data scrolling instruction from said pointing device; and

scrolling speed display means for displaying a number of speed indicators during scrolling, the number of displayed speed indicators corresponding to a relative scrolling speed set by said pointing device while scrolling data on said display screen.

2. An information processing apparatus according to Claim 1,
 wherein said scrolling speed display means arranges the speed
 indicators in a scrolling direction relative to a center of said
 mouse cursor.

3. An information processing apparatus according to Claim 1,
 further comprising means for changing a displayed image of the
 mouse cursor in response to whether a specific button of said
 pointing device is clicked or released.

4. In a computing environment, an enhanced mouse cursor for
 indicating a direction and a relative speed of scrolling of data
 displayed in a window on a display screen of an information
 processing apparatus that designates a coordinate location using a
 pointing device, said enhanced mouse cursor comprising:

a mouse cursor body located at the coordinate location
 designated by using said pointing device; and

one or more speed indicators displayed in a number
 corresponding to a scrolling speed while scrolling data
 on said display screen.

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comprising the steps of:

- (a) displaying a mouse cursor at a coordinate location on said display screen designated by said pointing device;
- (b) scrolling data on said display screen in accordance with a display data scrolling instruction from said pointing device; and
- (c) displaying speed indicators in a number corresponding to a scrolling speed set by said pointing device while scrolling data on said display screen.

10. The control method according to Claim 9, wherein said step (c) further comprises displaying the speed indicators in a scrolling direction relative to a center of said mouse cursor.

11. Computer readable code stored on computer readable storage medium and executable by a computer system that includes a display unit for displaying data on a bit mapped display screen' and a pointing device for designating a coordinate location on said display screen and for directing scrolling and setting a scrolling speed for data displayed on said display screen, said code comprising:

- (a) a routine for displaying a mouse cursor at a coordinate

9 location on said display screen designated by said
10 pointing device;

11 (b) a routine for scrolling data on said display screen in
12 accordance with a display data scrolling instruction
13 from said pointing device; and

14 (c) a routine for modifying the mouse cursor to include
15 speed indicators in a number which corresponds to
16 a relative scrolling speed set by said pointing device
17 while scrolling data on said display screen.

1 12. The computer readable code according to Claim 11, wherein said
2 routine for modifying the mouse cursor further comprises displaying
3 the speed indicators in a scrolling direction relative to a center
4 of said mouse cursor.